Computer Systems International

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Microsoft® .net™

Installation Guide

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TEXTILE MANAGEMENT SYSTEM

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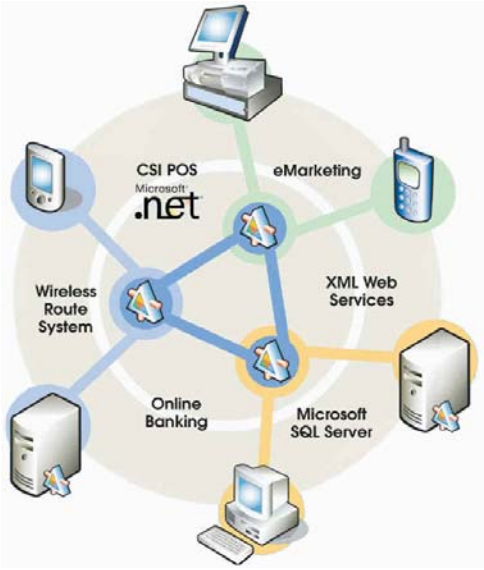
Before You Begin

Built from the ground up, **TMS** (Textile Management System) is the .net version of our dry clean software based on the latest technology from Microsoft**. TMS** is the most popular and complete Dry cleaning/Textile Management Software on the market with functionality and ease of use that is unmatched by any other dry-cleaning product. The system has been used by over 2500 drycleaners in the USA, Canada, Australia and East Asia since 1990. **TMS.NET** revolutionizes the world of Textile Industry. **TMS** can be obtained as stand-alone software for small operation or can be availed of as part of a network.

Microsoft .Net is a set of Microsoft software technologies for connecting the world of information, people, systems, and devices. It enables an unprecedented level of software integration through the use of XML Web services: small, discrete, building-block applications that connect to each other—as well as to other, larger applications—via the Internet. TMS is a fully integrated 32-bit Point Of Sale and BackOffice software solution for textile, drycleaning, alteration, shoe repair industry. Its unmatched reliability, remarkable flexibility and unprecedented ease-of-use sets a new benchmark for POS software in today's tough demand drycleaning environments.

TMS can be integrated with your website. Imagine being able to order your dry cleaning from your personal computer at home, at work, anywhere! Convenience never been possible before! Now imagine, how much your customers would love that, and you are the hero of the day! Our state-of-the-art computer system will track orders from the time of pick-up to the time of onsite delivery. Your customers will be able to view the status of their orders, change delivery locations and times, even include special requests to their orders, at any point of the transaction.



Resources

CSI provides the following documentation resources for use with TMS.NET.

- Installation Guide —Describes system setup and configuration.
- User's Manual —Describes use and operational aspects.
- Live Video CD-ROM —Live Video Of TMS for Quick start on how to use the system.

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Operating Modes

Stand-alone

In this mode, the entire computer system is located within each store. A system can be either a single computer or an entire multiple-terminal local area network (LAN). Databases are local to each store site with data consolidation not practical. Data backups and computer maintenance must be performed at each store site.

Nightly Upload/Download

Data consolidation is accomplished at each store by using a simple dialup line or DSL connection. Each store system is configured to "push" new transaction data to a central site each day. Some changes from the central site are then automatically pushed back to the store. Consolidated reporting as well as central pricing, promotions, messaging, and time clock management are possible. Databases are local to each store site. Data backups and computer maintenance must be performed at each store site.

Central Database With Local Database

Each store site maintains its own database using Microsoft MSDE. This mode is perfect for those who have centralized data needs with a small or large number of store locations and who need real-time order tracking between stores and head office and need to operate without connection.
Centralized accounts receivable, pricing, promotions, marketing, time clock management, and reporting is made inherently simple in this mode. **TMS** is driven by a centralized SQL database engine to increase reliability, scalability and efficiency. The system uses CSI SQL database replication services to synchronize data from/to server/client computers.

Central Database Using Low Maintenance Terminals

Data consolidation is accomplished by using low maintenance terminals and high-speed data connections. Each store site is connected to the application hosting data center. Data backups and server maintenance is performed at the data center. This mode is perfect for those who have centralized data needs with a small or large number of store locations and who need real-time order tracking between stores and head office.
Centralized accounts receivable, pricing, promotions, marketing, time clock management, and reporting is made inherently simple in this mode. **TMS** is driven by a centralized SQL database engine to increase reliability, scalability and efficiency.

System Requirements

The following is the software and hardware specifications that are required to run TMS efficiently. Please note, non-recommended hardware might not be supported by CSI.

1. Windows XP pro, Windows XP home, or Windows 2000
2. Microsoft Internet Explorer 6 or higher
3. Intel Pentium 3 or higher with 512 MB RAM & Network Card
4. Epson TMT-88 for invoice printing
5. Epson TMU200, TMU220, Samsung SRP 270C, Star P542 or Okidata ML320 Turbo for Tag printing
6. Zebra TLP 2844 or 2824 for Permanent Tag Printing
7. Any laser or inkjet Windows printer for wide report printing.
8. Any type of Touch Screen Monitor. Preferably ELO technology
9. Any USB or Keyboard wedge Scanner. Preferably Symbol LS22087 or WASP WWS 800k wireless scanner.
10. Data Collector Scanpal 2
11. Any USB Web Cam
12. Any Epson compatible cash drawer. Preferably MMF type.
13. Pccharge 5.7.1G Payment Server for online credit card processing.
14. Any type of Magnetic Card Reader for online credit card processing.
15. Logic Controls PD3000, or LD9000 for Customer Pole Display

Server Setup

Please skip the following installation Process if your system is pre-installed by CSI. The software setup is for customers that purchased software only. For customers have purchased the pre-installed system, please go to *Hardware Setup* section of the manual. Please note there is no password to logon to windows, and use pin# 1000 when starting the program.

Installing TMS From CD:

If Your CD drive is equipped with auto run option, follow steps below to install the program, otherwise browse your CD and select CSI.

1. Select Install TMS Setup, Enter **tms.net** when prompted for password and press OK. Make sure to select all users for installation.
2. Follow the on-screen installation process. The setup program creates setup files into \csi\setup folder.
3. After the setup programs are copied, the installation program will prompt you to install the following programs:
    a) Microsoft .NET framework
    b) Microsoft Data Access Component
    c) Textile Management System (TMS)

    Make sure the above programs are installed successfully. You don't need to reboot The system yet. If you get an error, when Installing Microsoft Data Access Component (MDAC), press exit. (It is possible your computer MDAC is more up To date than the one from our installation CD.

4. Select Install TMS Update. If prompted for password use **tms2.2.3f** and press OK.

5. Select Install Database to Install your custom made database with Microsoft SQL server. **Make sure to say Yes when prompted to update registry**. If you are installing TMS on the client machines, there is no need to install tms_msde.exe. You may skip this step.

6. Select Install TMS Utilities program.This will install CSI Backup program. For multiple backup purpose you may also install **tms_utility** on the client machine. Back up files are in \csi\backup\XMLbackup folder. To activate auto backup run TMS_Backup once from your desktop. This would create windows task to run at 10:00PM every night.

Installing TMS From download:

1. Insert CSI supplied Installation CD, press Windows' Start, and select Run command.
2. Type ***d:\tms_setup.exe*** *(where d: is your CD drive)*
3. Enter **tms.net** when prompted for password and press OK. Make sure to select all users for installation.
4. Follow the on-screen installation process. The setup program creates setup files into \csi\setup folder.
5. After the setup programs are copied, the installation program will prompt you to install the following programs:
    a. Microsoft .NET framework
    b. Microsoft Data Access Component
    c. Textile Management System (TMS)

    Make sure the above programs are installed successfully. You don't need to Reboot The system yet. If you get an error, when Installing Microsoft Data Access Component (MDAC), press exit. (It is possible your computer MDAC is more up To date than the installation CD.

6. Install the TMS upgrade from Windows; Start, Run command. Type **d:\tms_update.exe** If prompted for password use **tms2.2.3f** and press OK.

7. Install your custom made database with Microsoft SQL server. From Windows select Start, Run command. Type **d:\tms_msde.exe**. This will install Microsoft SQL Desktop Engine (MSDE). **Make sure to say Yes when prompted to update registry**.If you are installing TMS on the client machines, there is no need to install tms_msde.exe. You may skip this step.

8. Install CSI Utilities program that includes auto backup program on your server. From Windows select Start, Run command. Type **d:\tms_utility.exe**. This will install CSI Backup program. For multiple backup purpose you may also install **tms_utility** on the client machine too. Back up files are in \csi\backup\XMLbackup folder. To activate auto backup run TMS_Backup once from your desktop. This would create windows task to run at 10:00PM every night. You may also

Configuring TMS after installation:

1. The installation program will create the following shortcuts into your desktop.
    a. Textile Management System,
    b. TMS_Backup

2. Upon successful installation, reboot your system.

3. Make sure the MS SQL server icon appears on your icon tray at the bottom right hand side of your screen.

4. To run the program, click on the Textile Management Icon, from your desktop. Enter pre-installed pin# 1000 or 2020. If you get an error connecting to database, browse your installation CD and install **csi.reg**. When prompted to update registry say yes.
   If you still have connection problem, please follow instructions on **Server SQL Database Connection Setup** *section of the manual.*

5. If this is the first time you are loading the program from the server, the system password screen appears. Please call CSI helpdesk at 1-888-836-7274 or 416-497-0370 using the provided security code to obtain your registration code. **Make sure not to exit this screen before obtaining your registration code**. The installation program registers your system setting. Due to the nature of the SQL server **you must have a network card installed** on your system, even you are running as a stand-alone system. If you have purchased your software online, and have Internet connection, use your user id and password logon to our secure website from your registration screen to obtain your registration code automatically. Please make sure to have your software unique serial# that was emailed to you. If you don't have user id and password to logon to our server, email your security code by clicking on the link on the registration screen to obtain your registration code. Please allow up to 24 hours to get your password.

9. The installation program will create the following shortcuts into your desktop.
    a. Textile Management System,
    b. TMS_Backup

Enter Registration Code
Your License Requires To Be Registered. Please Contact CSI Help Desk (416-497-0370) To Obtain Your Registration Code.
DO NOT EXIT THIS REGISTRATION SCREEN BEFORE GETTING YOUR REGISTRATION CODE
If you have internet connection, user id and password click HERE to logon to our secure sever to obtain your registration code automatically. Please make sure to have your software unique serial# that was emailed to you.
If you don't have user id and password to logon to our server, click below to email your security code to obtain your registration code. Please allow up to 24 hours to get your password. support@compsysint.com
If you don't have access to internet, you may call our help desk at 1-888-836-7274, or 416-497-0370 to obtain your registration code.
Security Code
B422-10C0-5100-93C4-8E82-0010-2120-1082-95
Reg. Code
Click here to email your reg. code.
Support@compsysint.com
Register
Cancel

11. Enter the Registration code, to activate your system.
12. If the code is valid, you will be prompted for a pin#.
13. Enter predefined Pin# 1000 or 2020 to run the program.

Client Setup

Installing TMS Client From CD:

If Your CD is equipped with auto run option, follow step below to install the program otherwise browse your CD and select CSI.

1. Select Install TMS Setup, Enter **tms.net** when prompted for password and press OK. Make sure to select all users for installation. Follow the on-screen installation process. The setup program creates setup files into \csi\setup folder.

2. After the setup programs are copied, the installation program will prompt you to install the following programs:
    a. Microsoft .NET framework
    b. Microsoft Data Access Component
    c. Textile Management System (TMS)

3. Make sure the above programs are installed successfully. You don't need to reboot the system yet.

4. Select Install TMS Update. If prompted for password use **tms2.2.3f** and press OK.

5. The installation program will create the following shortcuts into your desktop.
    a. Textile Management System,
6. To run the program, click on the Textile Management Icon, from your desktop. Enter pin# 1000 or 2020. If you get an error connecting to database, please follow instructions on **Client SQL Database Connection Setup** *section of the manual*

Installing TMS Client From download:

1. Insert the CSI supplied Installation CD into the client computer, press Windows' Start, and select Run command

2. Type ***d:\tms_setup.exe*** *(where d: is your CD drive)*

3. Enter **tms.net** when prompted for password and press OK. Make sure to select all users for installation.

4. Follow the on-screen installation. The setup program creates setup files into \csi\setup folder.

5. After the setup programs are copied, the installation program will prompt you to install the following programs:
    a. Microsoft .NET framework
    b. Microsoft Data Access Component
    c. Textile Management System (TMS)
6. Make sure the above programs are installed successfully.
7. Install the TMS upgrade from Window's Start, Run command. Type **d:\tms_update.exe** Use password **tms2.2.3f**
8. The installation program will create the following shortcuts into your desktop.
    a. Textile Management System,

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9. To run the program, click on the Textile Management Icon, from your desktop. Enter pin# 1000 or 2020. If you get an error connecting to database, please follow instructions on **Client SQL Database Connection Setup** *section of the manual*

Configuring TMS on Client:

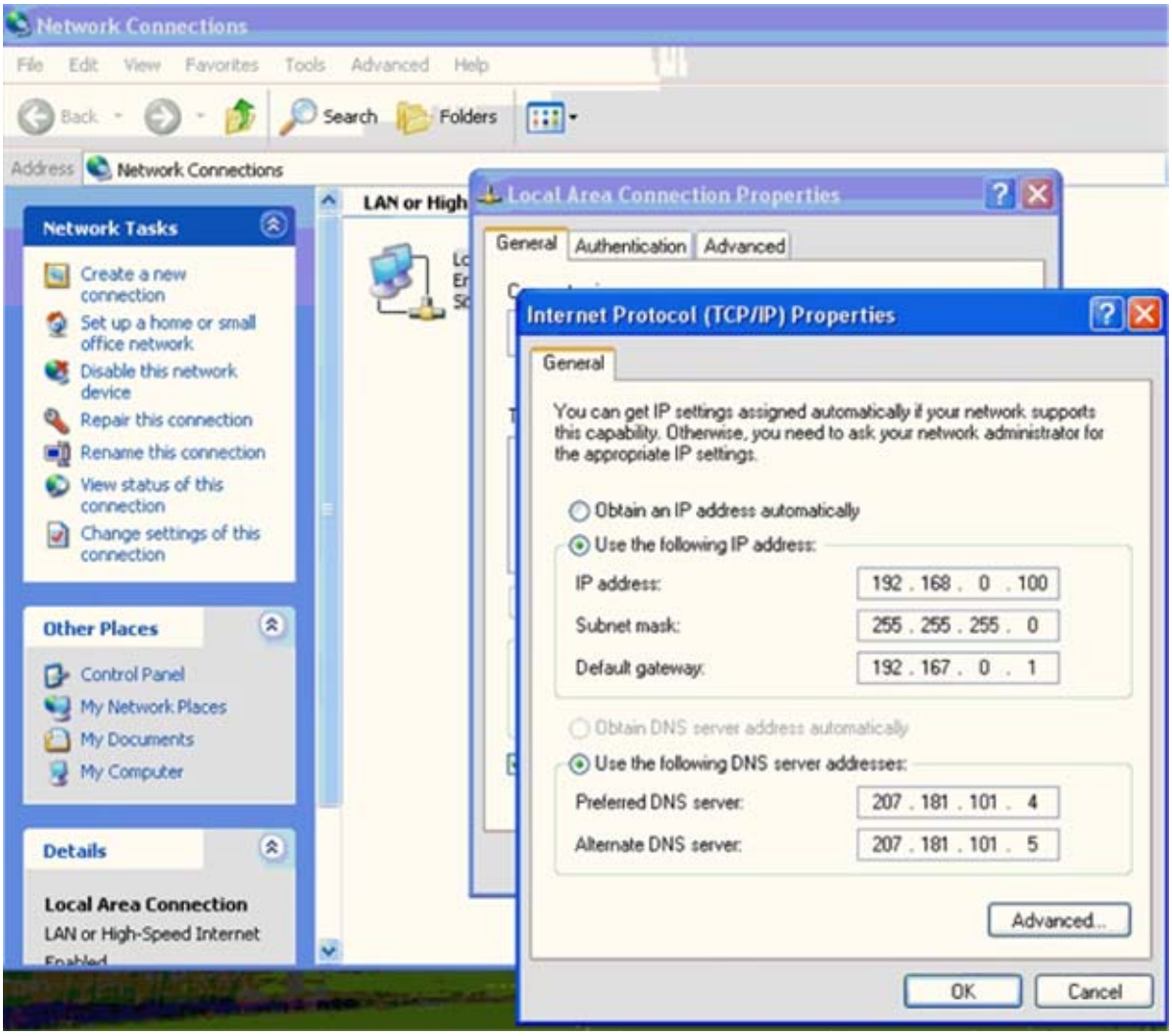
Please read ***System Configuration Setup*** section for additional info on how to configure your client computer. For additional information on how to setup your network read ***Local Area Network Setup*** section.

A typical example of setting up a client computer using server's name or server's IP address

Local Area Network (LAN) Setup

TMS uses TCP/IP protocol for database connection, that means your server can be anywhere on the network as long as you can access it using your name server or the server static IP address of the SQL database server computer. The following is a typical example of simple network using TCP/IP connection.

1. From Windows Control Panel, Select network connections, Local Area Connection. Right click, select properties, select TCP/IP, then properties.
2. Remove option obtain IP address automatically, and assign your own Static Internal IP address as follows:
    c. Go to Windows command prompt and type ipconfig /all <enter> to get your default gateway and DNS.
    d. Change the last 3 digit of your default gateway to make a unique IP address for this computer. Type the IP address on the IP address field. (e.g if your gateway is 192.168.0.1, type 192.168.0.100 for your IP address). Make sure your server IP address is in the same range, except the last 3 digits are different.
    e. Type subnet mask from ipconfig command (usually 255.255.255.0)
    f. Type the IP address of your gateway from ipconfig command (e.g 192.168.0.1)
    g. Use proper IP address for your DNS.
    h. Follow steps ***B*** to ***E*** on your client computers. Make sure to use a unique IP address on each computer. (e.g 192.168.0.101, 192.168.0.102 etc)


Network Connections
File Edit View Favorites Tools Advanced Help
Back Search Folders
Address Network Connections
Network Tasks
Create a new connection
Set up a home or small office network
Disable this network device
Repair this connection
Rename this connection
View status of this connection
Change settings of this connection
Other Places
Control Panel
My Network Places
My Documents
My Computer
Details
Local Area Connection
LAN or High-Speed Internet
LAN or High
Local Area Connection Properties
General Authentication Advanced
Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 0 . 100
Subnet mask: 255 . 255 . 255 . 0
Default gateway: 192 . 167 . 0 . 1
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server: 207 . 181 . 101 . 4
Alternate DNS server: 207 . 181 . 101 . 5
Advanced...
OK
Cancel

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Router Firewall Setup

If you are using DSL, for your Internet connection, having a firewall router is a must. We recommend d-link or Linksys routers. Please follow instructions below to configure your router.

1. Select Windows Start, select run, type cmd <enter>. Type ipconfig /all <enter> to get your ip address and the default gateway.

2. Open internet explorer, and on the address bar, type http://192.168.0.1 if your gateway is 192.168.0.1 otherwise enter appropriate ip address. If your address is correct, you will be connected to your router. Enter your router administrator user, and password. By default the user is admin, and password admin or 1234. If not make sure to have the proper use id and password.

3. Select Advanced and Virtual Server, or Firewall

4. Add a new Virtual server as follows:
   a) Type Radmin Server for the name
   b) Type the internal ip-address of your server from ipconfig command as above (e.g 192.168.0.10). In the following example we use 10.0.0.11
   c) Type 6760 for Private port (default port for radmin is 4899, but we prefer to use 6760 for security reasons)
   d) Type 6760 for Public port.
   e) Select option enable, and apply the changes
   f) Follow the steps a though e for Pc/Aw port 5631, and 5632 if you like to use PC/AW to connect to your system

5. Restart your router, to make sure above changes are made.

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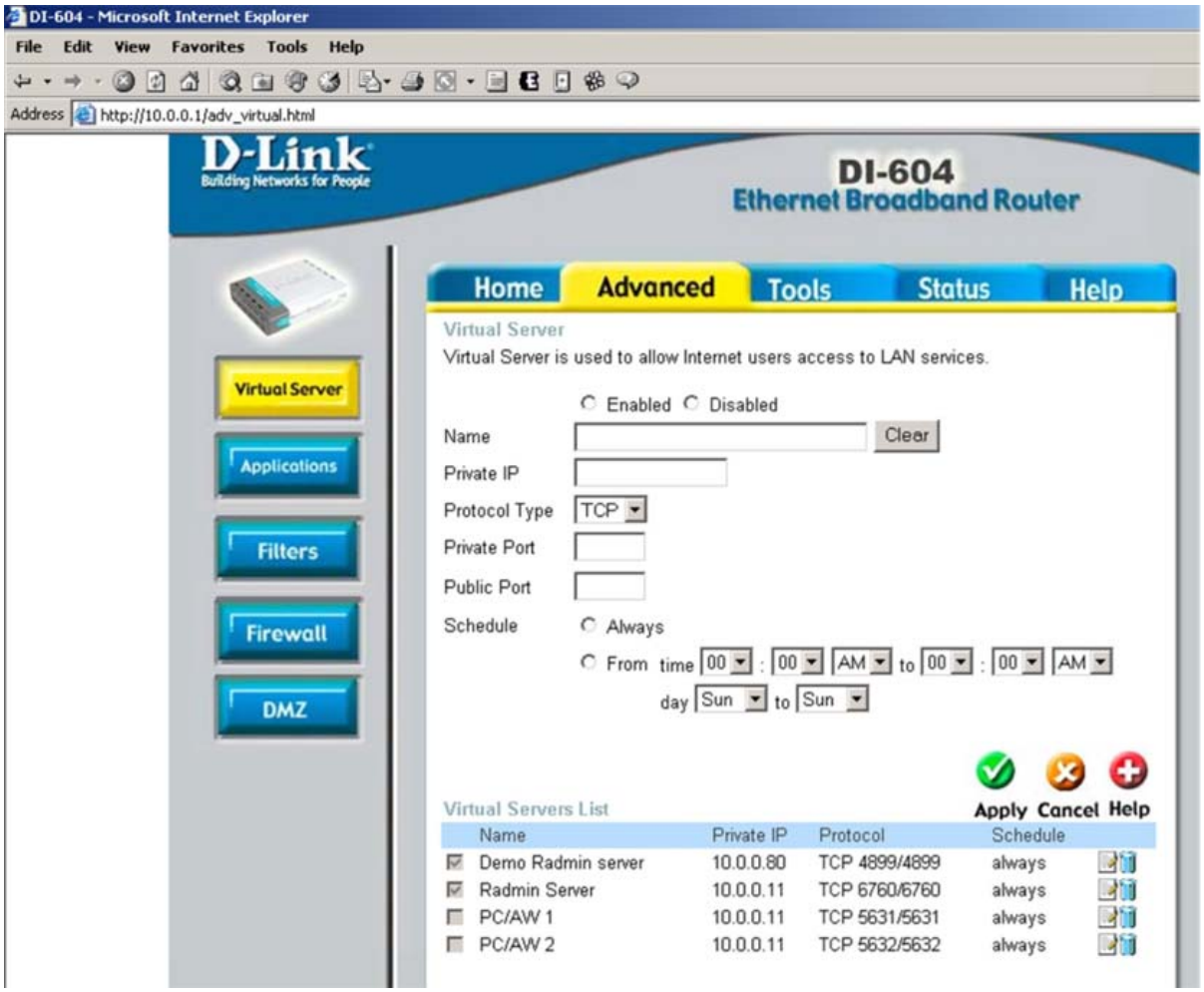
Router Firewall Setup Example

The following is a typical example of setting up your router. Make sure to use proper ip address of the server for Private ip address.



TMS On-Line Help Setup

TMS Help file is HTML format that is installed automatically during installation process in \csi\tms\help folder. However you may install the help file on your own home computer in order to get familiar with the system. In order to install TMS Manual, select Windows Start, Select Run , and type d:\tms_help.exe. Just follow on screen options. If prompted for password type tms.net
You may download the latest help file from the following link. PDF files are printable copy.
http://www.computersystemsint.com/download/tms_help_slim.exe
http://www.computersystemsint.com/pdf/tms_manual.pdf
http://www.computersystemsint.com/pdf/tms_faq.pdf
The help contains the following manuals:

1. **Installation Manual.** Contains information on how to install and maintain TMS, which is the same manual as this manual.
2. **User's Guide.** Contains important information on how to set up your back office system, price list, coupons, reports etc.
3. **Frequently Asked Questions (FAQ)**
   FAQ section contains very useful information on how to use the system effectively.
4. **Video**, contains live video of the most important functions such as checkin, checkout, ready, customer etc. Live video is very useful learning tool for you and your staff and it is highly recommended.

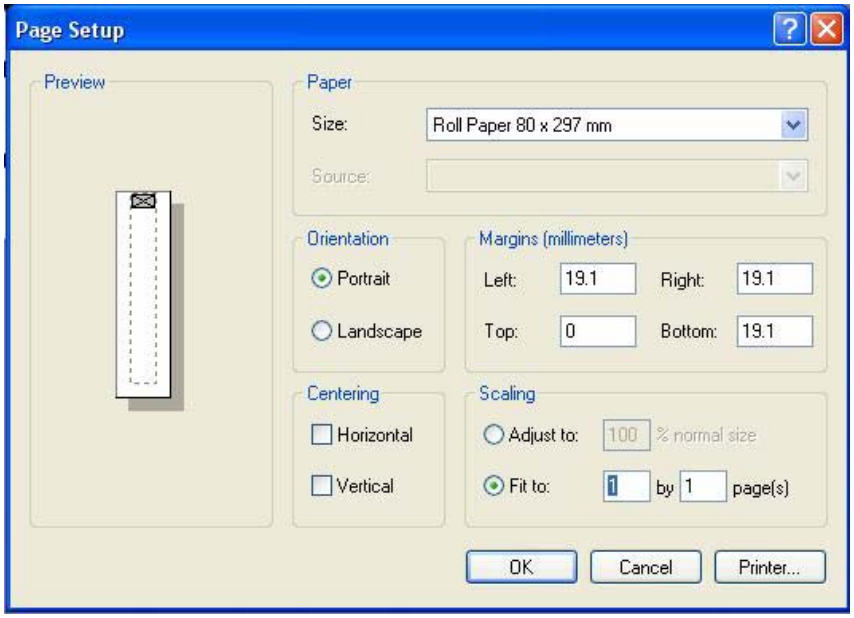
TMS help can be accessed as follows:

1. Select Help or press F1 from TMS main menu.
2. From programs, select CSI, select TMS Help icon.

Your Company Logo Setup

TMS can print your company logo on the heading of the invoice in order to give your invoice a professional look with no cost. Follow steps below to create your logo file.

1. Select Windows Start, programs, accessories, and select Paint program.
2. Open your logo file in jpg, bmp or other image format using file/open command.
3. Make sure to select your Epson TMT printer from File/Print option.
4. Select File/Page Setup option. Set the options as below.



5. Select File/Print, select printing preference as follows, and make sure to set end of document to no-feed. Select print and check mark print to file. When prompted for name, Save it into \csi\tms\logo.prn. Copy this file into \csi\tms\logo.prn on all the client computers.

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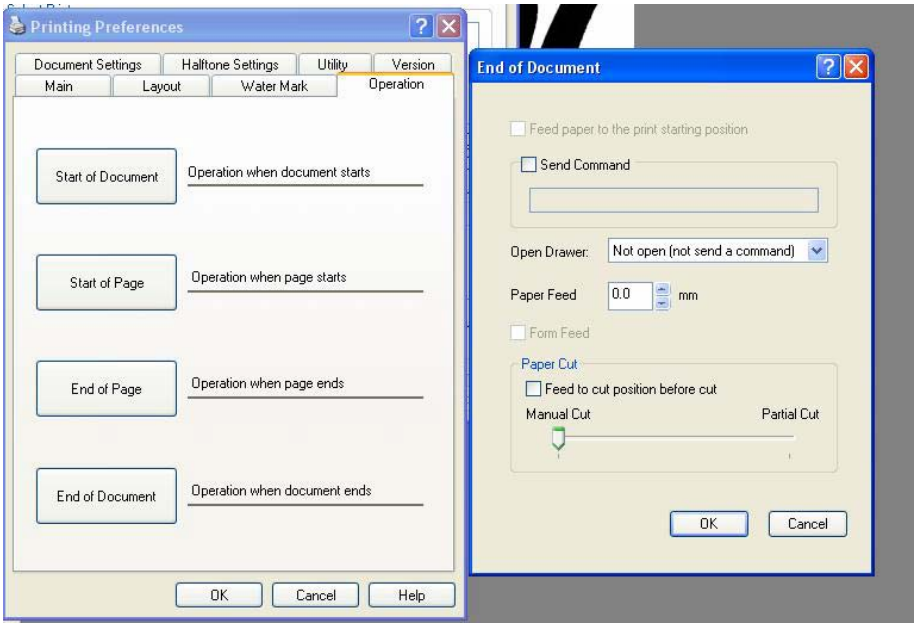
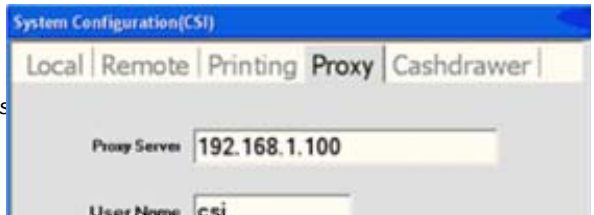


Pc-charge Program Setup

TMS uses Pc-charge program for online credit/debit card processing for both US and Canada. Pccharge uses either dial-up or TCP/IP connection. We don't recommend or support dial-up for multi stations setup. If you are using more than one station, use TCP/IP connection. Please note in order to use Pccharge you must purchase Pccharge program license though CSI to make sure proper server and drivers are configured. Pcharge program is configured and tested in our system prior to installation. We recommend Visanet http://www.vitalps.com or Nova for payment processor http://www.novainfo.com/home.asp, other payment processors such as Global Payment, Paymentech might be subject to extra setup charges, since they are more complicated to setup.

Before installing Pccharge, you must have your bank fill-out the Pccharge setup form. If you have already received the configuration disk from CSI, follow instructions below to install and configure your Pchcarge, otherwise please fill-out the following setup form and email/fax it to CSI.

1. On the server, Insert CSI supplied installation CD.
2. From Windows Start, select run, and type d:\pccharge.exe where d: is your CD drive.
3. Follow on-screen instructions.
4. Start Pccharge by selecting pccharge icon on your desktop or from Start, Programs, Pccharge , Select Pccharge Server. Minimize Pccharge into your icon tray. Double click on CSI Proxy server from your desktop. When CSI Proxy server is running, you will get a runnig fan icon on your icon tray.
5. When loading pccharge for the 1st time, you will be asked if you have configuration disk. Select Yes.
6. When prompted for the location of the configuration disk, select proper folder if your configuration disk was send to you separately, other wise check your Pcchrage disk and look for Pccharge config folder.
7. On your client machines, start TMS, type 11182000, and press config. Select Proxy. The proxy server is the computer that is used to serve as your Credit Card Processing system. This is usually installed on the server. Enter the i.p. address or name of the proxy server. Don't change the username and password. This is a predefined password for connecting to our Proxy server.



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Dear Valued Customer

In order to integrate your online credit card authorization system, you need to obtain the following info from your bank. We need to get a proper id wherever **x** is presented. We recommend Visanet http://www.vitalps.com or Nova for payment processor http://www.novainfo.com/home.asp,.
Additional setup charges might occur if your payment process (such as Paymentech or Global Payment) requires additional information or process.
CSI does not warrant PcCharge software will meet your requirements or that operation of the Software will be uninterrupted or that the Software will be error-free or any related issues with the payment processor. Please make sure you agree to the above conditions before ordering or installing PcCharge software. If you don't agree, simply return your PcCharge software license.
We don't recommend or support dial-up for multi stations setup. If you are using more than one station, use TCP/IP connection

If you have any problems getting the new information for your PC Charge, please contact PC Charge as your earliest convenience at 1-877-659-8981.

PC Charge Setup Information -

		Primary Authorization No.	**1-800-XXX-XXXX**
PROVIDER	**XXXX** (i.e Visanet)	**Secondary Authorization No.**	**1-800-XXX-XXXX**
MERCHANT #	**xxxxxxxxx**		**1-800-XXX-XXXX**
		Primary Settlement No.	**1-800-XXX-XXXX**
EQUIP. MODEL	PC Charge Server V 5.7.1G	**Secondary Settlement No.**	
TID# / V#	**XXXXXX**	**Bank ID**	**XXXXX**
AMEX #	**xxxxxxxx**		
DISC #	**xxxxxxxx**		
DINERS #	**XXXXXX**		
BIN #	**xxxxxx**	6 digit bank's identification#	
AGENT #	**xxxxxx**	6 digit Agent number if any	
CHAIN #	**xxxxxx**	6 digit chain number if any	
MCC	**xxxx**	4 digit, defines the merchant code knows as SIC or MCC	
STORE #	**XXXX**	4 digit store id#, if any	
LOCATION #	**XXXXX**		
CUST. SRVC	**xxxxxxx**		
COUNTRY CODE	840		
CITY CODE	**xxxxx**		
TIME ZONE	**xxx**		

AVS, Auto-Close, Truncation, Terminal Based ???

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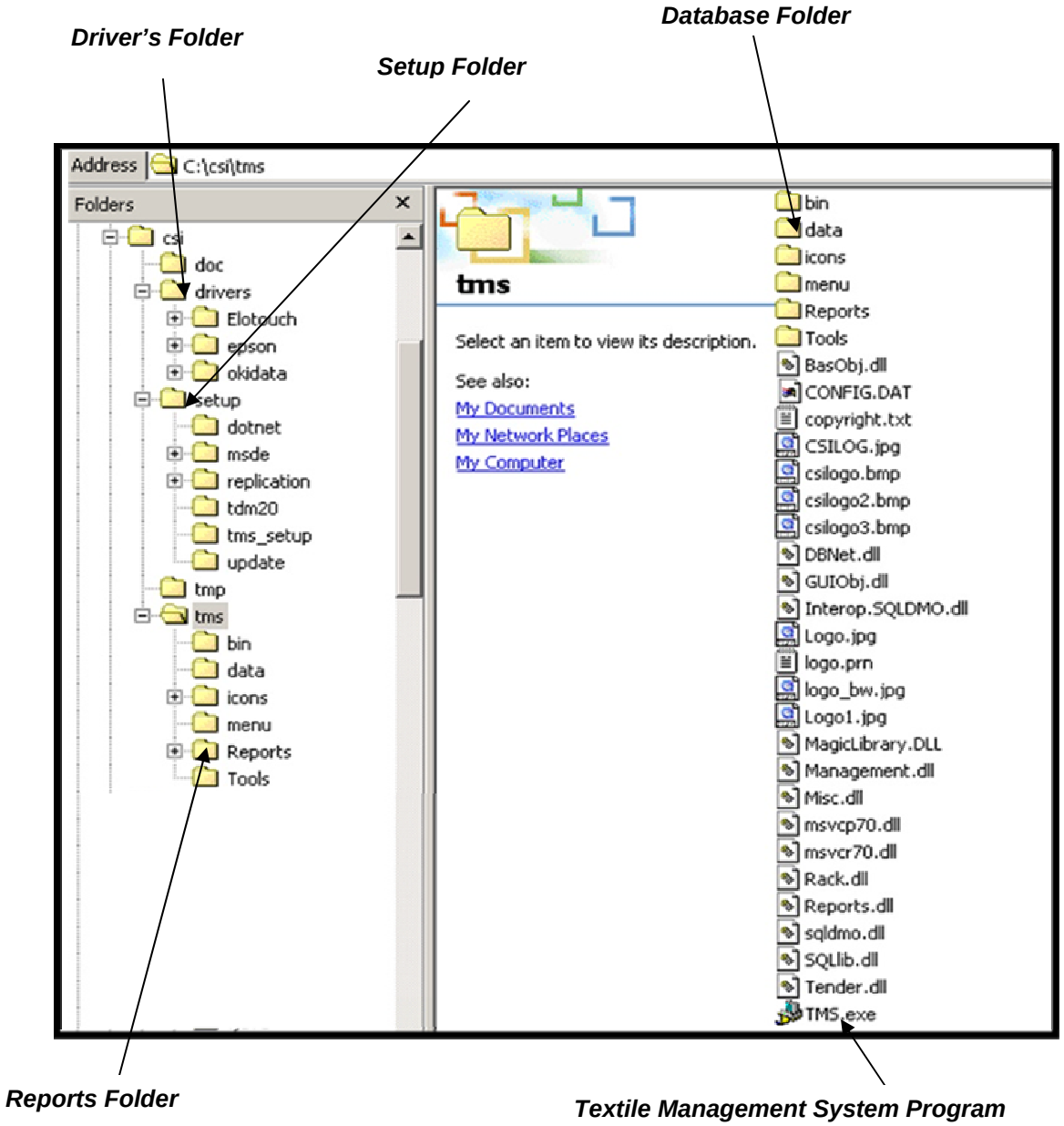
TMS Program Folders



TMS Installation folder and the related setup programs & drivers

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Hardware Drivers Setup

After successful installation of the program, the next step is to setup your Hardware drivers:
The most common drivers of the system are located in \csi\drivers folder. You may download the latest drivers from our website at http://www.compsysint.com/download/tms_drivers.exe.
TMS supports Epson TMT88 printer for printing invoices, Okidata ML320 printer for printing Continues Tags 4 1/8"X ¾, or 4 1/8"X ½ , Samsung SRP 270C or Star P542 printer for printing garment Tags on 3" Tag Rolls, Zebra TLP2844 printer for printing Permanent/Garment Tracking Tag on Thermopatch Heat-Seal Labels ¾" x 1 ¼" . Please follow instructions below to setup your printers. After successful installation of your printers, make sure to configure TMS to use proper printer. Please see ***System Configuration Setup*** for additional information.

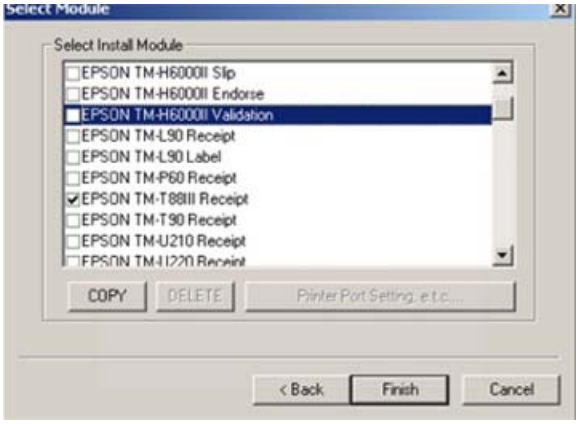
Epson Thermal TMT 88 Printer Setup

1. Select Windows Start, Run, Select browse, select \csi\Drivers\Epson\Epson.exe and press Ok. Follow on screen instructions and Select proper Windows. (i.e XP)

2. If your printer has Parallel connection, select parallel port and TMT 88III. Reboot your system.

3. If your printer has USB connection, check mark USB and TMT 88III. Reboot your system.

4. If your printer has Serial connections, check mark Serial and TMT88III. In order to speed up printing for serial printers, we recommend setting transmission baud rate to 38400 (default is 9600). To set your printer to 38400, check the manual. Open the dip switch cover, and set dip switches 7 and 8 on 1st switch to the ***on*** position. To change your driver setting to 38400, go to printers, select Epson TMT88, right click and go to properties. Select Configure port, and set bits per second to 38400. **If your printer is not printing as dark, open the Dip Switches cover from the bottom of the printer, and set pin 4 from Dip-Switch 2 to on[down] position.**



Non Epson Printer Setup

TMS supports Epson Thermal TMT88 printer for invoice. We don't recommend any other printers. However, if you like to try your own type of printer like Epson TMU 220 or Star, Samsung printer follow instructions below: Select Windows' Start, Settings, Printers, Add printer to install your own Printer driver.

Please see ***System Configuration Setup*** for additional information on how to config your dot-matrix printer in TMS. Select **Journal** option when using Epson TMU 220 or TMU 200. If you are

using any other printer select Windows option. Please note when using **Journal** or **Windows** option your printout could be much slower than Epson TMT88. Barcode may not be printed or supported on **Journal, Windows** printers.

Okidata ML320 Turbo Tag Printer Setup

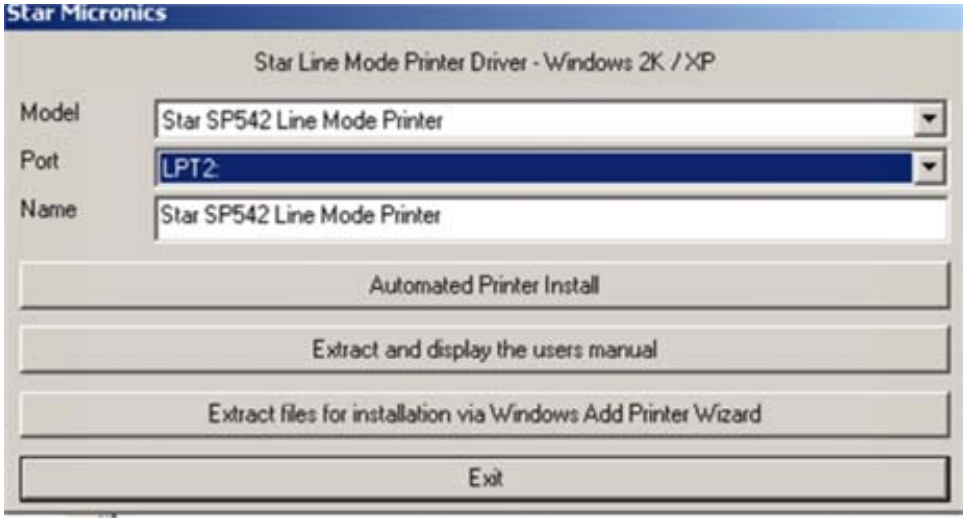
If your system is equipped with the Okidata Tag Printer, Select Windows' Start, Settings, Printer, Add printer to install the Okidata Printer driver. Make sure to select the proper driver for your printer. If you are using a USB port, the system would prompt you for a driver for this printer. Select ***Have Disk*** option, and select \csi\drivers\okidata folder. Set this printer as the default printer or if you have a report printer make that your default printer.

Add Printer Wizard
Install Printer Software
The manufacturer and model determine which printer software to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for compatible printer software.
Manufacturer
NEC
NRG
Oce
Oki
Okidata
Printers
Okidata ML 320
Okidata ML 320-IBM
Okidata ML 320 Turbo/D (DEC)
Okidata ML 320 Turbo/D (IBM)
This driver is digitally signed.
Tell me why driver signing is important
Windows Update
Have Disk...
< Back
Next >
Cancel

Star P542 Tag Printer Setup

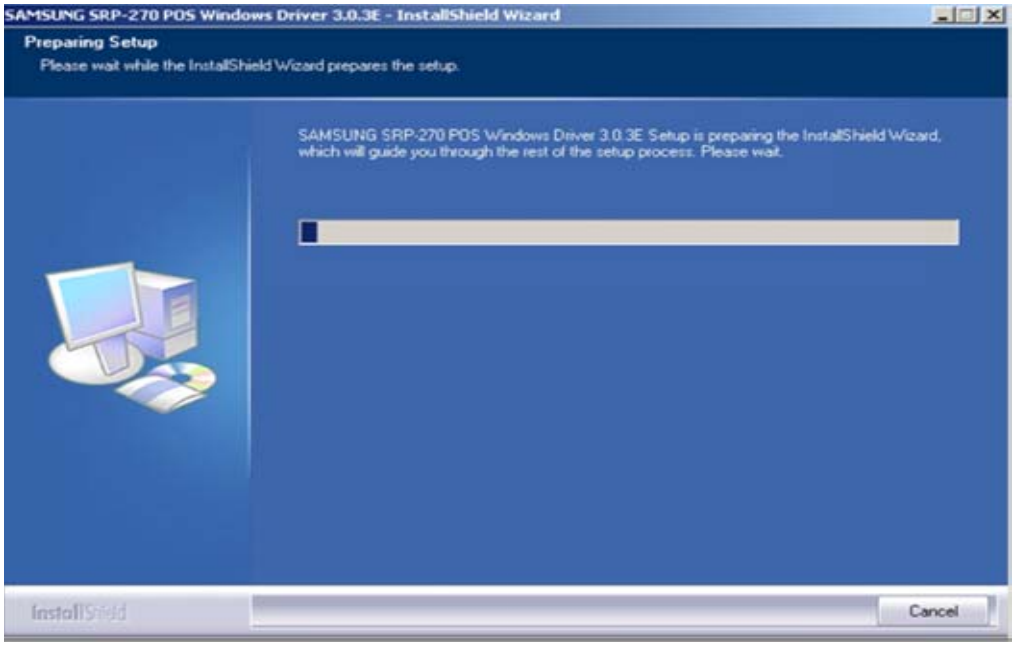
If your system is equipped with Star P542 Tag Printer, Select Windows' Start, Run, Select browse, select \csi\Drivers\Star\ star_linemode_2k-xp_20030205.exe. Press OK, and select the proper printer and port. **Make sure your printer is set to Epson Mode, if not you have to set the dip-switches to Epson (open the dip-switch cover, set pins 1, and 3 to on[up] position and pins 2 and 4 to off [down] position). Please read the Star Manual for additional info.**

Please do not use the original ribbon that comes with the printer, as it will fade through the cleaning process. You must use RIBBON SP500-INDELIBLE that is shipped to you, or could be purchased.



Samsung SRP 270C Tag Printer Setup

If your system is equipped with SRP 270C Tag Printer, Select Windows' Start, Run, Select browse, select \csi\Drivers\Sumsung\Win SRP-270_V3.0.3E.exe. Press OK, and select the Windows XP and proper port. Make sure your printer is set to Epson Mode, if not you have to set the dip-switches to Epson. Please read the Samsung Manual for additional info.


SAMSUNG SRP-270 POS Windows Driver 3.0.3E - InstallShield Wizard
Preparing Setup
Please wait while the InstallShield Wizard prepares the setup.
SAMSUNG SRP-270 POS Windows Driver 3.0.3E Setup is preparing the InstallShield Wizard, which will guide you through the rest of the setup process. Please wait.
InstallShield
Cancel

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Zebra TLP2844 Permanent/Garment Tracking Tag Printer
If your system is equipped with Zebra TLP2844 Tag Printer, make sure it is **Elton Language interface not Zebra Language interface**. TMS does not support Zebra Language interface.

Select Windows' Start, Settings, Printer, and Add printer to install the Zebra Printer driver. The system would prompt you for a driver for this printer. Select ***Have Disk*** option, and select \csi\Drivers\Zebra\ folder. Select Zebra, and TLP2844 printer.

If Zebra printer is skipping labels, download the following file and install it using the instructions below: http://www.compsysint.com/zebra.exe
This is self extracting file. Unzip it to zebra folder, and run ***FirmwareDownloader.exe*** file. Select printers, select auto detect. When printer is added, highlight the printer, select file, select firmware file, and select 2844_V4_42_STD.prg from c:\zebra folder. Then click on download to all printers icon. The printer will start running. After done, power off the printer, wait for 10 sec, and turn it back on. Make sure the label holder/guider, (black) is adjusted and touches the edge of labels from both sides.

Sharing Printers
Follow instructions below to share your printers across network.

Host Computer
On the host computer, select Windows' Start, Settings, Printer. Select the printer that you like to share with other computers. Right click, and select sharing option. If this is the 1st time you are setting up sharing on your computer, you might be prompted to go through the Network Seup Wizrad. If so, just follow the on screen and press next till done. Give the shared printer a meaningful name that can be recognized over your network. (i.e Server Epson TMT88).

Client Computer
On the client computer, select Windows' Start, Settings, Printer. Select Add printer, Select **A Network Printer** option and press **Next**. Select **Browse for printer** option and press **Next**. Windows will locate the printer that was added on the above step. Select the printer and press **Next**.

To config the printer in TMS, please refer to **System Configuration Setup.**

ELO Touch Screen Driver Setup

To install touch screen driver, from Windows' Start select Run, Select browse.
Select C:\csi\Drivers\Elotouch\EloWinXP Universal\EloSetup.exe and press ok.
Select appropriate port (i.e Serial or USB) and follow the on screen options.
After installation is done, Select Start, Settings, Control Panel, and Select Calibrate Touch Screen. Use Align option to make proper adjustment.

Elo Touchscreen Setup
TOUCHSYSTEMS
Welcome to Elo Touchscreen Setup.
This program will install the Elo USB and Serial touchscreen drivers on your computer. It is strongly recomended that you exit all Windows programs before running this Setup program.
Install Serial Touchscreen Drivers
Install USB Touchscreen Drivers
< Back
Next >
Cancel

Web Cam Driver Setup

TMS supports all kinds of Web Cams. Web cam enhances the security of your cash drawer and customer service. No-Sale transactions are captured via the integrand web cam to reduce fraud. View your cash drawer audit trail via Internet. The integrated web cam is also used to capture snapshot of the garments for quality control or customers with no-receipt.
To install the driver, select Windows Start, select run, and browse. Browse your Web Cam CD, and install the proper driver. You must also share c:\csi\csiimages folder on your server with read/write access. If there is no such folder create one. Use Windows Explorer, go to \csi\csiimages folder, Right click, and select sharing. Go though sharing process, and call your share folder csiimages. If this folder is not shared, your images will be saved locally.

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System Configuration Setup

Server SQL Database Connection Setup

TMS uses TCP/IP address to connect to the database. Virtually the database can be any where on the VPN or wide area network. From server select Textile Management System icon from your desktop. When prompted for the pin#, enter 11182000 and press config. Select Local folder and type (local)\csi on the "Local Server or Name address" field if your SQL database server is on the same computer. Use IP address of the SQL database server if your server is remote database. (e.g 216.191.176.12 \csi). Do not change the default settings of any other fields.

Client SQL Database Connection Setup

On the client computer select Textile Management icon from your desktop. When prompted for the pin#, enter 11182000 and press config. Select Local folder and type (the ip address or name of the server on the "Local Server or Name address" field. (e.g. 10.0.0.1\csi where 10.0.0.1 is the ip address of the server. This could be the ip address of the local network, or a remote server). Do not change the default settings of any other fields.

Assign a unique register id for each station. Normally the server is register id 1. If this is your second station, call it register 2, etc.

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Remote Connection:

TMS uses this option for connecting to MS SQL Server over VPN. Skip this setting for local network.

Printers:

Select the Printer folder from TMS configuration screen. This could be a local or network printer. You may assign up to 5 different types of printers. If you are sharing any of the printers over the network, make sure to enable sharing for that printer. To enable sharing, select the printer, right click and select sharing. Give it a meaningful name.

a. **Invoice Printer**: This could be Epson TMT thermal or Journal type printer, or any other type of non-Epson printer. For such printers, the system uses Windows drivers, which might be slower than the default Epson printer. For faster printout we recommend Epson printers.

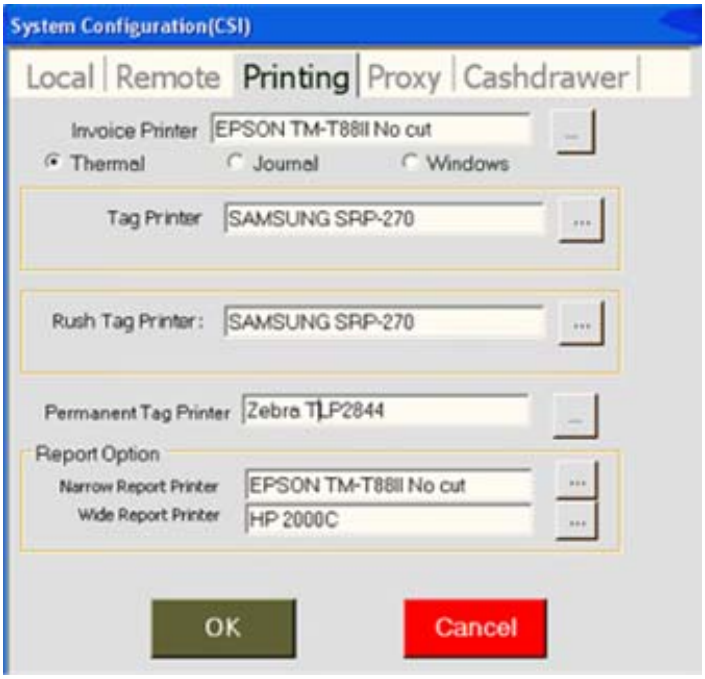
b. **Tag printer**: This could be Star P542, Samsung SRP 270C, Zebra TLP2844, Zebra TLP2742 or Okidata ML320 Turbo. We don't recommend new Epson TMU220 printer for this purpose.

c. **Rush Order Tag Printer**. You may select different printer to print tags with different color for your rush orders. This could be Star P542, Samsung SRP 270C, or Okidata ML320 Turbo. We don't recommend new Epson TMU220 printer for this purpose.

d. **Permanent Tag Printer**: This could be Zebra Eltron-2844 or 2824 Printer

e. **Narrow Report Printer**: This is usually the same as the invoice printer.

f. **Wide Report Printer**: Any Windows Wide Inkjet or laser printer.



Proxy:

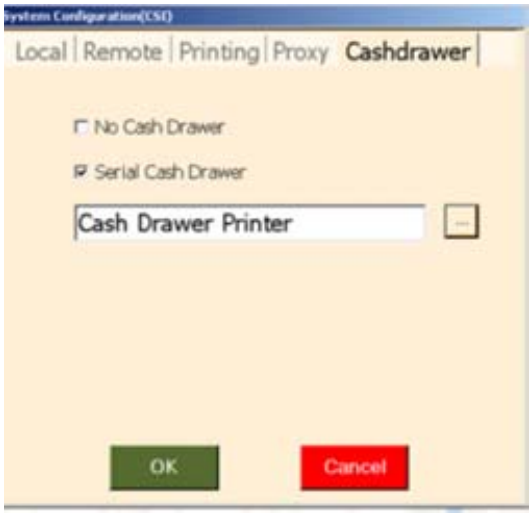
If your system is equipped with online Credit Card Authorization system (Pccharge), select the Proxy folder from Setup screen to setup your proxy server. The proxy server is the computer that is used to serve as your Credit Card Processing system. This is usually installed on the server. Enter the i.p. address of the proxy server. Don't change the username and password. This is a predefined password for connecting to our Proxy server.
TMS supports Pccharge Payment server for credit card processing. For additional information on setting Pccharge server, please contact the CSI help desk.

Cash Drawer:

TMS supports Epson Compatible as well as serial cash drawer.
If your station does not have any cash drawer, select **No Cash Drawer** option. Otherwise follow instructions below to config your cash drawer: You may also share the cash drawer within multiple stations. To do this, share the printer that you have the cash drawer connected to, then select your shared printer from browse printer option.

Epson Cash Drawer requires no configuration. Just connect one end of RJ11 cable to the cash drawer and the other end to the back of your Epson printer. Some cables are labeled that which end connects to the printer specifically. If so make sure your cable is connected properly.

Serial Cash Drawer. To Install Serial Cash Drawer you to have to install a dummy printer that is configured to the desire COM port. To do this, select Windows Start, setting, printers. Add Printer. Select any printer driver, and name it Serial cash drawer printer. Make sure to select proper port (i.e COM1 or COM2). Go to TMS configuration as before and select the printer that was added using browse option.



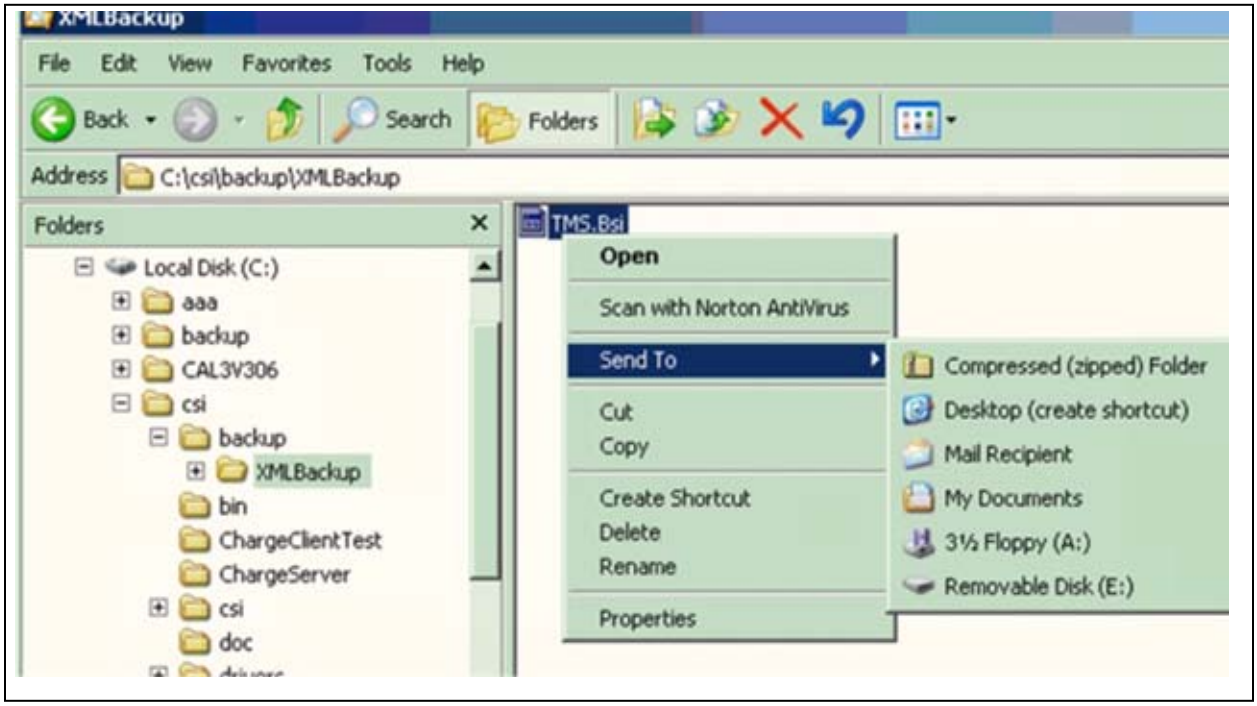
Pole Display. To Install Pole Display you to have to install a dummy printer that is configured to the desire COM port. To do this, select Windows Start, setting, printers. Add Printer. Select any printer driver, and name it Pole Display. Make sure to select proper port (i.e COM1 or COM2). Go to TMS configuration, Select Cash Drawer Folder, select the Pole Display Printer that was added using the browse option. If your Pole Display is Logic Control then check mark this option.

TMS XML Backup Setup

The Backup process is an important task that should be installed and maintained properly.
TMS provides two types of backup, SQL backup and XML format backup. XML format is used with TMS replication tool to replicate data to/from server for stores with multiple locations. TMS backup program can be installed on sever and as well as client computers in order to have multiple backup.

Follow instructions below to install Backup program:

1) Insert CSI supplied Installation CD, press Windows' Start, and select Run command.
2) Type ***d:\tms_utility.exe*** *(where d: is your CD drive), type tms.net if prompted for password.*
3) Follow the on-screen installation process.
4) Click on TMS_Backup icon on your desktop to run the backup in order to create windows task. Your backup will run auto every night at 10:00PM. The file is created in \csi\backup\XMLbackup folder. There will be one backup file every day named the name of the day (e.g on Monday will be called Monday.bsi, on Friday will be called Friday.bsi etc). This method would allow you to have backup for the last 7 days, without taking much space on your hard drive. The backup files are compressed and are very small compare it to the data file. For example, if your SQL data file is 256MB, your XML backup file is about 2MB.
5) TMS backup uses \csi\utility\tms.reg file to control your backup process. In case you like to change the default device, edit this file and change the default setting "BackupFolderPath"="C:\\csi\\Backup\\" to "BackupFolderPath" ="E:\\csi\\Backup" fro example if you like to backup to E drive auto.
6) For external backup device we recommend using 256MB or higher USB Flash Memory. Your backup files can be copied to your flash memory. Please use the following method to copy the backup files into your flash memory.
   a) From Windows Explorer, select \csi\tms\Xmlbackup\tms.bsi file, right lick it and select option send to Select Removable disk.



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TMS SQL Backup Setup

SQL backup format is much bigger than XML backup since it contains all file structures and data. To make SQL backup, select Misc from TMS main screen and select backup. Default is \csi\tms\backup folder. You may select any device to backup to by using the browse option.

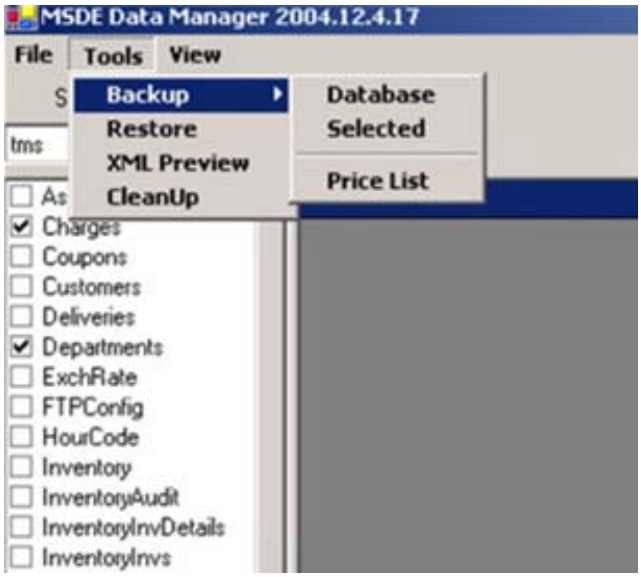
Restore Function

Restore function is used to recover your data. Please make sure to restore your backup data only if you have lost your live data for whatever reason (i.e hard drive crash, etc). Select Windows Start, Programs, CSI, CSI SQL Manager. Select TMS for database name, select tools, and restore. When prompted for password enter 6760. Select proper backup file from \csi\backup\XMLbackup folder or any other device.

Follow instructions below to copy your price list and restore it into another store's database manually. For stores with multiple locations we recommend purchasing CSI Replication tools. For additional information and pricing please visit our web site at
http://www.computersystemsint.com/products/tms_replication.shtm

How To copy and restore Price List:

From your head office/main computer, select CSI SQL manager as above, select tools, select backup, select price list. Save the file into your flash memory or hard drive, and name it pricelist. On the store server computer that you like to copy the price to, select CSI SQL manager, select tools, select restore, enter password 6760. Select the pricelist.bsi file from your backup media.



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Disaster Recovery Plan

Your Computers are vital tools for running your business but they are only machines making them prone to failures. When one of those failures happens, having a plan will help get you back up and running again. Disasters and failures will happen. The key is the creation of a recover plan to keep your business running when bad things happen.
Computer viruses, hard drive failure and Power surge can harm your system, and therefore damaging your valuable data which some times is almost impossible to recover or would cost you 100s of Dollars.

CSI recommends the following steps to be taken immediately to make sure you have a disaster recovery plan in place.

1. Make sure your Norton Anti virus is up to date and installed on all your computers.
2. Make sure you have UPS installed on each computer specifically on your server.
3. Make sure your backup program is installed and running as it is described in our backup process on both server and client computers.
4. We recommend having a secondary hard drive that is ghosted with the original hard drive, and is used as an extra backup media.
5. Make sure never turn your computer off from the power switch. Always shut down by using Windows Start, shut down command. Or Press Alt-Ctrl-Del key combination.

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Hardware Setup

Before you begin, make sure that you have received the following equipment. The following is a typical equipment list, which might be different from your order. Please check your invoice for the proper list:

Equipment list

1. CSI/Dell Computer
2. LCD Touch Screen Monitor
3. Epson TMT 88III Thermal receipt printer
4. Keyboard, Mouse
5. Star P542, Samsung SRP 270C, Okidata ML320 Turbo (if any)
6. Zebra TLP2844 (if any)
7. Cash drawer + Cash drawer Cable & Keys
8. Printer Cables & Power Bar
9. Scanner (if any)
10. Cross over patch cables for 2 stations or Network RJ45 cables for more than 2 stations plus network hub.
11. 2 rolls of thermal paper for the receipt printer, and tag printer
12. Conveyor Barcode Labels (if any)

Arrival and Pre-Install Procedures

1. Locate the new POS equipment and check that the shipment is complete and is not damaged.
2. Please contact CSI or the shipping company if you see any damaged box.
3. When unboxing the equipments do not cut the plastic strapping to the large box. It should be loose enough that you can slip it off the box. You will need to re-use it when packing up the system for RMA.

Preparation of Computer Area

There are 2 scenarios for each store:

1. Take a few moments to wipe the dust away from the counter top and shelving and cavity below.
2. Compare the actual site conditions with the schematics and installation setups above in order to determine location of the Printer and the Computer CPU.
3. Drill any holes necessary for cabling for equipment on countertop and through the tables to suit the location of the Computer.
4. In a few rare cases it may be necessary to physically alter the drawers/shelves/counter space to accommodate the new equipment. Do what you feel is necessary to complete the installation.
5. All existing cabling not being utilized in the new installation shall be pulled down into the access area below the printer drawer and be neatly coiled and secured to leave a clear cavity for new equipment.

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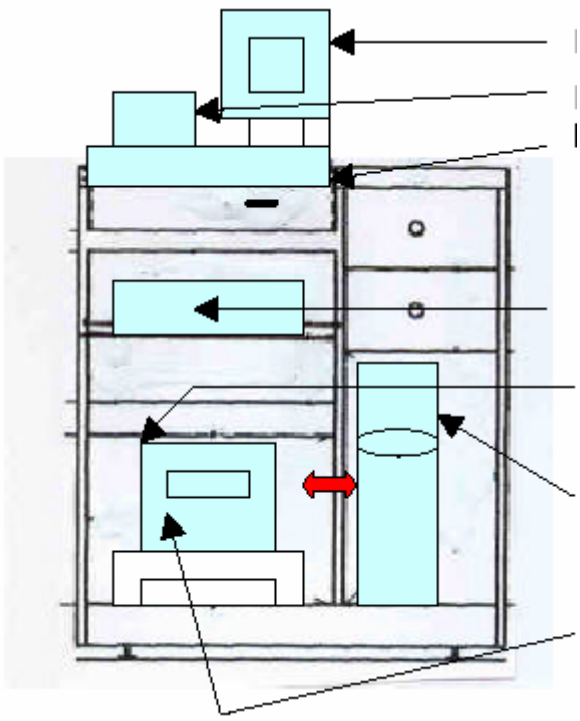
New Computer Installation

The following is a typical setup depending on your counter space.



Monitor

Epson Printer

Keyboard in Integration Tray

Cash drawer on existing shelf

If necessary to accommodate printer below, remove the existing sliding shelf and steel sliders

Computer CPU – Remove door and hinges from this cavity and drill holes in gable as required to allow cables to pass through

Report Printer to sit on supplied “printer box” to keep it clear of cabling at bottom of cavity

Computer Setup Process

1. Connect the PC power to your power outlet or to one of the battery backup outlets on the UPS (if your system is equipped with UPS, otherwise skip the UPS connection. Connect the USB cable from the UPS to the rear of the PC). Please note, having a UPS battery backup is highly recommended on the server computer. UPS will protect your server computer from any power surge or power failure.
2. Connect the Ethernet/Network cable to the CPU and jack (if your installing a network system)
3. If keyboard wedge type scanner was purchased, connect the scanner Synapse cable to the PC keyboard port, and then connect the keyboard to the scanner. If your scanner is USB connection, then connect it to your USB port.
4. Install receipt printer, monitor, and keyboard. Feed monitor and scanner cables down through hole in the top of the tray. Feed all the cables down through the bottom of the tray in the sunken well at the top of the counter or somewhere where it is kept tidy.
5. Power for the monitor and receipt printer will be connected to the power bar.
6. Install the cash drawer
7. Connect the RJ11 cable from the cash drawer to the RJ11 jack on the back of the receipt printer.
8. Connect the serial cable from the touch screen monitor to the serial port on the back of the PC. If your touch screen monitor has USB interface, then connect it to any USB port. Make sure to connect only either Serial or USB cable if your touch screen has both cables.
9. Connect the monitor signal cable, speaker, receipt printer parallel cable and keyboard/mouse cable to the PC.

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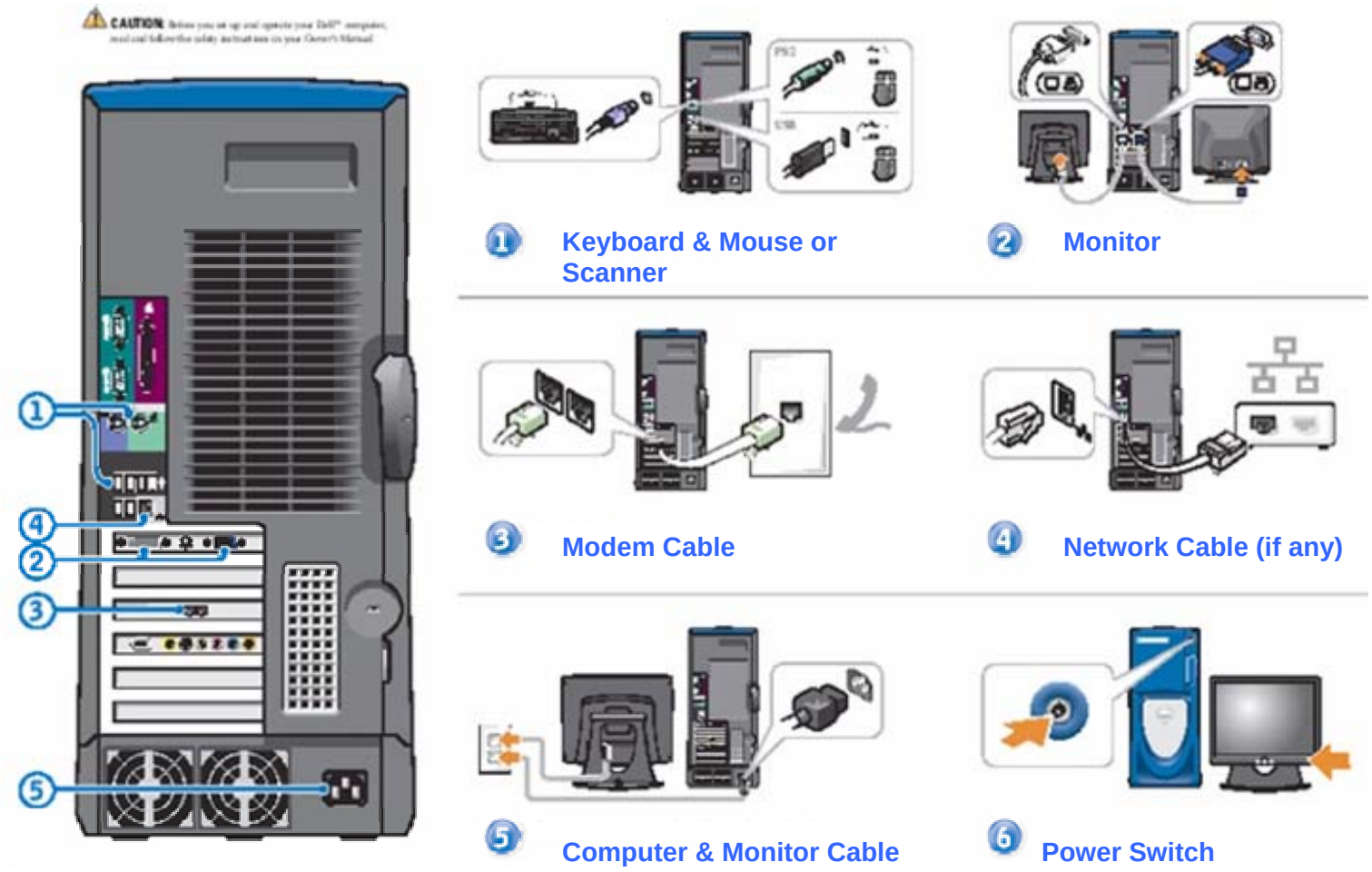
10. Connect the tag printer to the 2nd printer port on the back of the PC. If you don't have the 2nd printer port you may purchase & install a Printer Card. If your printer has USB connection you may connect the printer to the USB port using the supplied USB cable.

11. Install the Laser report printer (if any)
12. Place the printer where appropriate, on the booster box if supplied
13. Connect the power to one of the surge-protected outlets on the UPS
14. Connect the USB cable to the CPU if you have ordered UPS
    a) Load the toner cartridge
    b) Ensure that paper is loaded in the bottom paper tray
    c) Remove large label from the front of the printer
15. Route the keyboard/mouse cable and all USB cables through the ratcheting clip that is stuck on the rear of the PC just above the serial # sticker. Leave a bit of slack and squeeze the clip closed.
16. Make sure that there is enough slack at the CPU, cash drawer to pull them out for servicing.



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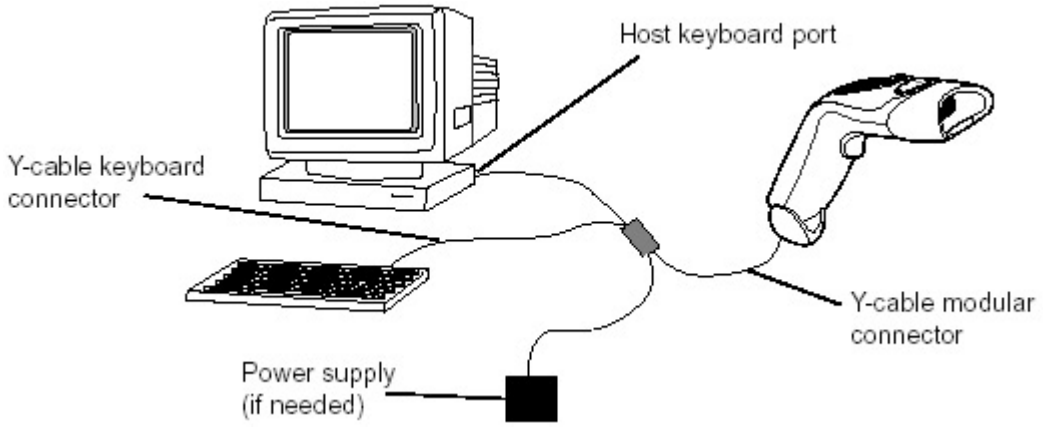
Scanners

Symbol Scanner Keyboard Wedge Cable Connection



USB Symbol Scanner

Barcodes for Symbol Scanner

If your scanner does not work, scan the following barcodes in order.

1. **Set All Defaults** - Scanning this bar code returns all parameters to the default values.
2. ***IBM PC/AT & IBM PC Compatibles** - Scan this bar code to select your host interface.
3. **Scan Options** – Scan this bar code to change the Scan Data Transmission Format.
4. **<DATA><SUFFIX>** - Scan this as the option from the previous step.
5. **Enter** – Scan Enter after you have scanned your option.
6. **SEND ENTER KEY** – This scan is equivalent to the enter key on the keyboard.

1.

2.

3.

4.

5.

6.

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PowerScan™ RF Industrial Bar Code Scanner

Barcodes for PowerScan RF Scanner

Scan the barcodes below if the scanner is beeping continuously.

1. **SET** - Scan the SET bar code label to enable Xon Control.
2. **E** – Scan this code for the following Supported PCs: AT, PS/2 25-286, 30-286, 50, 50Z, 60, 70, 80, 90 & 95 w/Standard Key Encoding.
3. **END** - Scan the END bar code label to enable Xoff Control.
4. **Transmit Scanner Configuration to Base Station** – Scan this barcode to transmit the scanner configuration to the base station.

1.

2.

3.

4.

If that does not solve the problem, scan the barcodes below:

1. **SET** - Scan the SET bar code label to enable Xon Control.
2. **Enable PharmaCode 39** - is a symbology subset of Code 39. Enabling PharmaCode 39 allows the scanner to read both PharmaCode 39 and Standard Code 39 labels.
3. **END** - Scan the END bar code label to enable Xoff Control.
4. **Transmit Scanner Configuration to Base Station** – Scan this barcode to transmit the scanner configuration to the base station.

1.

2.

3.

4.

Finally, if the above two options do not work, scan the "Disable all Symbologies" barcode and then scan the barcode on the BASE.

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Metrologic Portable Data Collector ScanPal 2

Setting up ScanPal

TMS can be setup to use Metrologic Portable data collector to do the following scanning

1. Manifest
2. Ready
3. Quick Checkout
4. Inventory
5. Productivity

Portable Data Collector has the advantage of visual confirmation for the scanning process, as opposed to wireless scanner or regular scanner.
Use the following method to install the driver and setup the communication.

1. Insert ScanPal 2 CD, and install the driver
2. Create a shortcut in your desktop to the following ScanPal Upload Program
3. C:\Program Files\Metrologic Instruments\ScanPal 2\AG Utilities\232_read.exe
4. Open the program and configure it as the following image, and run it minimized
    a) Set Directory to: c:\csi\tms
    b) Set File Name to: Scanner.tmp
    c) Set Com Port: COM1 or whatever port your have
    d) Set Baud Rate: 115200
    e) Set File Mode: Overwrite
    f) Check Mark Add Return Char to each Record
    g) Check Mark Add Line Feed Char to each Record

Using Scan Pal 2

1. Turn on the Scanner, and select Collect Data, then select the proper option (i.,e Manifest, Ready etc)
2. Scan Appropriate barcode (i.e Invoice#, Location etc)
3. Once your are done with scanning, press Esc.
4. From Scanner Main menu, press upload data to upload the data
5. The data file will be copied to \csi\tms\scanner.tmp
6. To use the data, select the desire function from TMS (i.e Manifest, Ready etc) and select option '***Read From File***'.
7. TMS will use the collected data from scanner.tmp file as they were scanned using regular scanner. Once done the file will be moved to \csi\tms\history folder ready for the next scanning.

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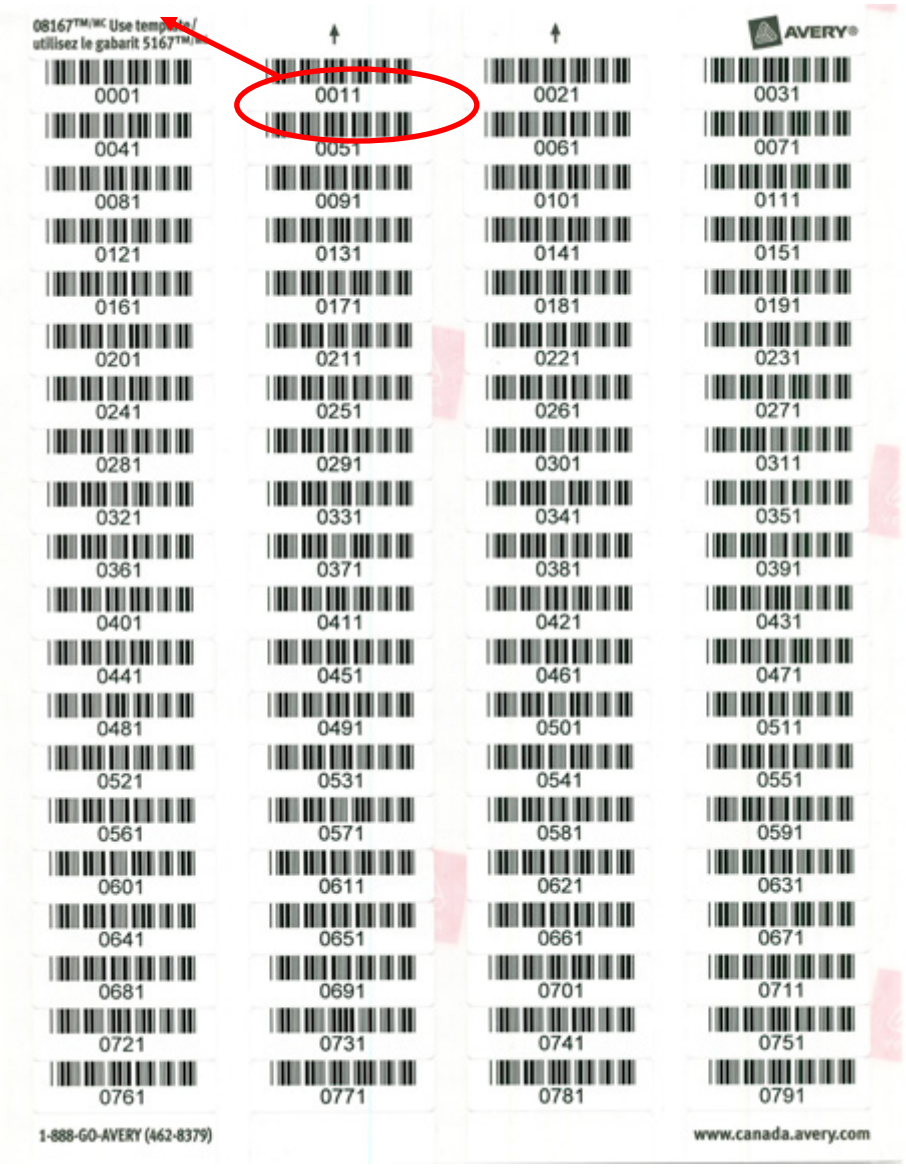
1. Barcode Labels

If you like assign a conveyor location to your orders when put on conveyor, you need to barcode the conveyor. TMS allows you to create your own conveyor barcodes. If conveyor barcode labels are not supplied, purchase Avery labels **#08167** and follow instructions below. You need an inkjet or laser printer.

From TMS main screen, select reports, select labels, select conveyor labels. Enter starting, and ending numbers, and required interval. For example if you have a conveyor with 1000 slots, select 1 for start, 1000 for to, and 10 for interval. That means you will use one barcode for every 10 slots. Don't attach barcode to every slot, which makes it hard to scan the barcode. So affix the 1st barcode (0001) to your conveyor# 1 to 10, 2nd barcode (0011) to your 2nd set which is 11 to 20, 3rd barcode (0021) to 21 to 30, etc.



Hardware Specifications

Dell/CSI System

Dimensions

7.25”(W) x 16.75”(D) x 14.5”(H)
(184mm x 425mm x 368mm)

Cash Drawer with System Interface

Dimensions

18.81"(W) x 15.18"(D) x 3.87"(H)
(478mm x 386mm x 98mm)

18.81"(W) x 19.75"(D) x 3.87"(H)
(478mm x 502mm x 98mm)

Epson TMT-88 Thermal Printer

Dimensions

5.71”(W) x 7.68”(D) x 5.83”(H)
(145mm x 195mm x 148mm)

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Epson TMU-200 Optional Tag Printer

Dimensions

6.30"(W) x 9.76"(D) x 5.24"(H)
(160mm x 248mm x 133mm)

Samsung SRP 270C or Star P542 Tag Printer

Dimensions

6.31"(W) x 9.69"(D) x 5.88"(H)
(160mm x 246mm x 149mm)

Zebra LP 2844/2824 Label & Receipt Printer

Dimensions

7.6"(W) x 8.5"(D) x 6.6"(H)
(193mm x 216mm x 168mm)

Okidata 320 Turbo Tag Printer

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Dimensions

Narrow Carriage With Box
21.19”(W) x 20.63”(D) x 9.5”(H)
(538mm x 524mm x 241mm)

Narrow Carriage Without Box
15.7”(W) x 13.6”(D) x 4.6”(H)
(399mm x 345mm x 117mm)

Symbol LS22087 Series

Dimensions

2.5”(W) x 2.2”(D) x 5.3”(H)
(64mm x 56mm x 135mm)

Wasp WWS 800K (633808920012) Handheld Scanner

Dimensions

Scanner
4.0”(W) x 2.8”(D) x 9.4(H)
(102mm x 71mm x 239mm)

Base Station
3.5”(W)* x 10.5”(L) x 2.5”(H)
(89mm* x 267mm x 64mm)

*width is 4.2”/107mm including mounting knobs

Unitech MSR206 Card Readers

Dimensions

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1.35"(W) x 4.00"(L) x 1.10"(H)
(34mm x 100mm x 28mm)

POS Keyboard With Credit Card Reader

Dimensions

15.8"(W) x 8.3"(D) x 1.7"(H)
(400mm x 210mm x 43mm)

15” LCD Touch Screen Monitor

Dimensions

15.0"(W) x 7.6"(D) x 14.6"(H)
(381mm x 194mm x 370mm)

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Hs3C Heat Seal Machine

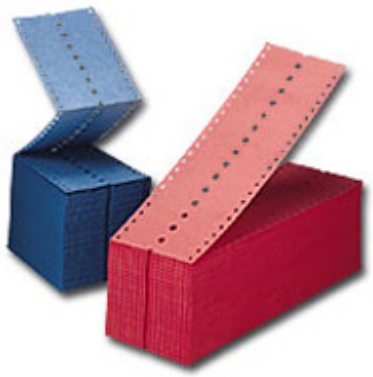
Dimensions

7.5"(W) x 20.4"(L) x 19.3"(H)
(191mm x 518mm x 490mm)

Supplies

TMS uses standard supplies for both invoices and tags. CSI stocks all the supplies at competitive rate. If not, the following items may be purchased from your local dry clean supplier.

Continuous Paper Tags



Used with TMS to print garment tags.
Made of heavyweight, wet-strength paper, our superior Continuous Computer Tags withstand all drycleaning and laundry processes.

These tags come in 10 solid colours and 10 Striped colours

32,000 Computer Tags per box.

4 1/8" x ¾"

Computer Receipt Rolls

For use with TMS to print invoices.
This top quality 1-Copy Thermal comes in green, blue, yellow, pink and white.

3-1/8" width x 3" diameter, 230 feet per roll, 50 rolls per case.

Continuous Computer Tag

For use with TMS to print tags. The excellent quality wet-strength paper withstands the cleaning process. These tags come in 10 different colours.

3" wide, 100 feet per roll, 20 rolls per case.

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Key Tags and Cards

Customer key tags used for faster and more accurate customer lookup.

Attached to customer keychains or garment bags for faster service.

* Standard, true 30 mil construction
* Durable and waterproof
* Excellent scanning rates
* No cracking or peeling, unlike PVC key tags
* Bar code protected under lamination will not scratch off like PVC
* Looks and scans like new for years!

Options:
* Various sizes & shapes
* Data Guard Security System™ (patented attached label)

For customized key tags, please contact CSI.

Thermopatch Heat-Seal Labels

Permanent Tag labels for garment tracking used with the Zebra LP 2844 or 2824 Label & Receipt Printer

Part number TT3412-01H

¾" x 1 ¼" x 25 YDS

RT0425-15Z – Ink for Industrial Laundry
RD0425-15Z – Ink for Dryclean and Laundry

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